



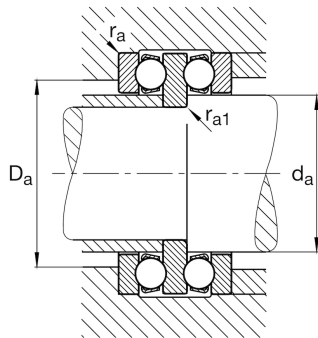
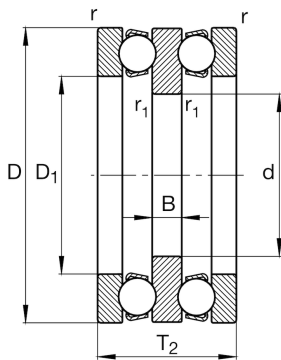
FAG

52307

Axial deep groove ball bearing

Schaeffler ID:
0167156240000Axial deep groove ball bearing 523, double
direction, steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	30 mm	Inner diameter shaft washer
D	68 mm	Outer diameter housing washer
T ₂	44 mm	Height
C _a	50,000 N	Basic dynamic load rating, axial
C _{0a}	89,000 N	Basic static load rating, axial
C _{ua}	4,050 N	Fatigue load limit, axial
n _G	4,850 1/min	Limiting speed
n _{gr}	7,600 1/min	Reference speed
≈m	0.63 kg	Weight

Mounting dimensions

d _{a max}	35 mm	Maximum diameter shaft shoulder
D _{a max}	48 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius
r _{a1 max}	0.3 mm	Maximum fillet radius

Dimensions

D ₁	37 mm	Inner diameter housing washer
B	10 mm	Height shaft washer
r _{min}	1 mm	Minimum chamfer dimension
r _{1 min}	0.3 mm	Minimum chamfer dimension

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Calculation factors

A	0.05	Minimum load factor
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